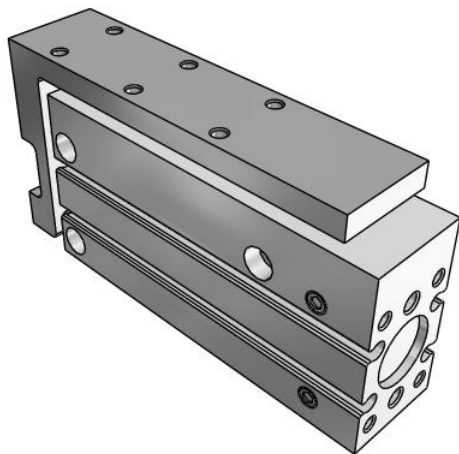




## MXH-Z, Compact Slide Table, Linear Guide

### MXH16-50Z

#### Datasheet

### General series information

- Bore sizes: 6, 10, 16, 20 mm
- Special (non-standard) porting option
- Rubber bumpers
- RoHS compliant
- Auto switch capable

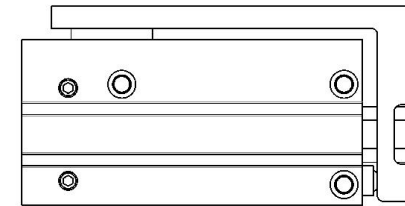
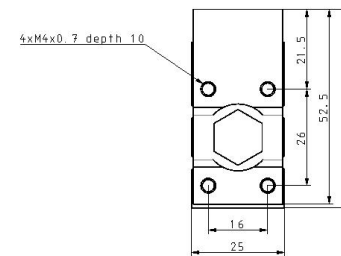
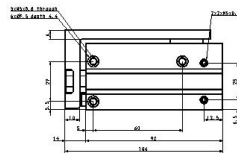
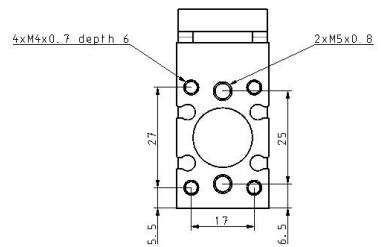
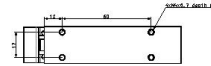


*Double-acting, single-rod cylinder*

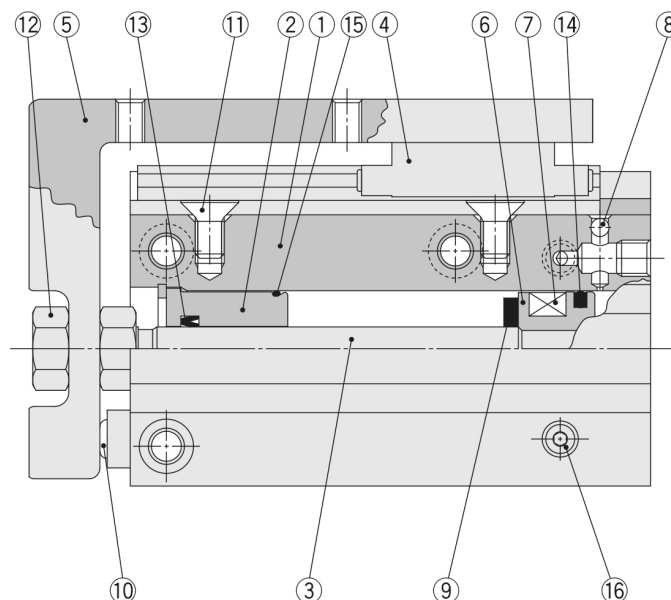
### Standard specifications

|                                                    |                                           |
|----------------------------------------------------|-------------------------------------------|
| Bore Size                                          | 16 mm                                     |
| Stroke                                             | 50 mm                                     |
| Lead Wire or Prewired Connector                    | 0.5m (Or None in the Case of No Switch)   |
| Number                                             | 2 pcs. (Or None in the Case of No Switch) |
| Auto Switch                                        | No Switch                                 |
| Made to Order                                      | None                                      |
| Pressure medium                                    | Compressed air                            |
| Maximum temperature of pressure medium with magnet | 60 °C                                     |
| Minimum temperature of pressure medium with magnet | -10 °C [without condensation]             |
| Maximum operating pressure                         | 0.7 MPa                                   |
| Minimum operating pressure                         | 0,06 Mpa                                  |
| Proof pressure                                     | 1.05 MPa                                  |
| Maximum ambient temperature with magnet            | 60 °C                                     |
| Minimum ambient temperature with magnet            | -10 °C [without condensation]             |
| Conform to the European RoHS Directive             | Conform                                   |
| Number of pneumatic connections                    | 2 pcs.                                    |
| Pneumatic input connection                         | M5                                        |
| Mode of operation of drive                         | Double acting                             |

|                                                         |               |
|---------------------------------------------------------|---------------|
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 101 N         |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 86 N          |
| Maximum piston speed                                    | 500 mm/s      |
| Type of cushioning                                      | Rubber Bumper |
| Allowable moment Mp                                     | 3,49          |
| Allowable moment My                                     | 3,49          |
| Allowable moment Mr                                     | 6,47          |
| Allowable kinetic energy                                | 0,05          |
| Weight                                                  | 0.316 Kg      |



## Constructions



### Component Parts

| No. | Description            | Material                                    | Note           |
|-----|------------------------|---------------------------------------------|----------------|
| 1   | <b>Cylinder tube</b>   | Aluminium alloy                             | Hard anodised  |
| 2   | <b>Rod cover</b>       | Aluminium alloy                             | Hard anodised  |
| 3   | <b>Piston rod</b>      | Stainless steel                             |                |
| 4   | <b>Guide</b>           | The main parts are made of stainless steel. |                |
| 5   | <b>Table</b>           | Aluminium alloy                             | Hard anodised  |
| 6   | <b>Piston</b>          | Aluminium alloy                             | Chromated      |
| 7   | <b>Magnet</b>          | Magnetic material                           |                |
| 8   | <b>Steel ball</b>      | Carbon steel                                |                |
| 9   | <b>Bumper</b>          | Urethane                                    |                |
| 10  | <b>Bumper</b>          | Urethane                                    |                |
| 11  | Countersunk head screw | Carbon steel                                | Nickel plating |
| 12  | <b>Nut</b>             | Brass                                       | Nickel plating |
| 13  | <b>Rod seal</b>        | NBR                                         |                |
| 14  | <b>Piston seal</b>     | NBR                                         |                |
| 15  | <b>Gasket</b>          | NBR                                         |                |
| 16  | <b>Plug</b>            | Carbon steel                                | Zinc chromated |

Note) The MXH series cannot be disassembled.

## Additional information

Catalogue

[MXH-Z-A\\_EU.pdf](#)

Operation manuals

[OM\\_MXHx\\_OM0056EN-P.pdf](#)